





**CURRENT DETECTING DEVICE****Publication number:** JP2001165963**Publication date:** 2001-06-22**Inventor:** OTSUKA KOJI**Applicant:** SANKEN ELECTRIC CO LTD**Classification:****- international:** G01R15/20; H01L43/06; G01R15/14; H01L43/06;  
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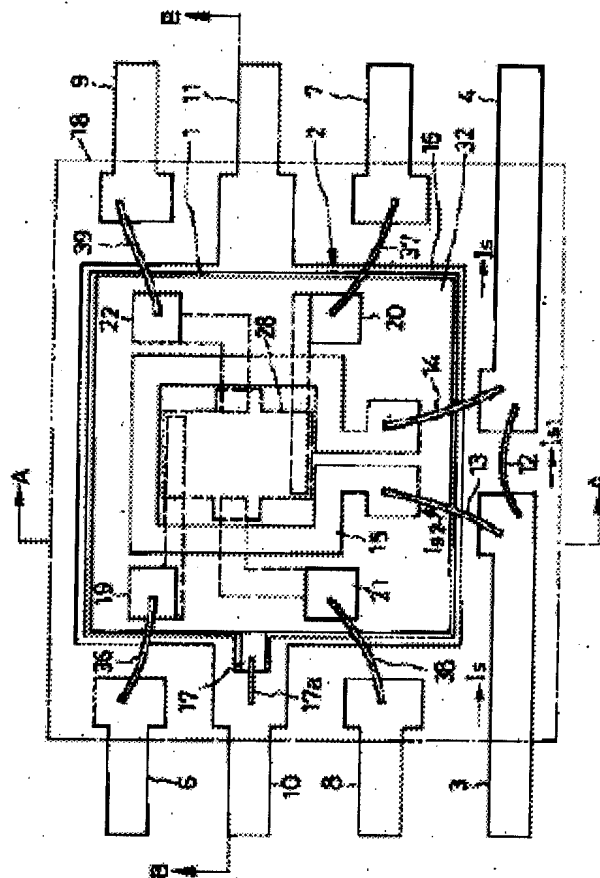
	EP1107328 (A2)
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	EP1107328 (A3)
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**Abstract of JP2001165963**

**PROBLEM TO BE SOLVED:** To solve such problem that detection of a large current with high accuracy using a Hall element was difficult.

**SOLUTION:** A conductor layer 15 as a current passage is placed on an insulating film 32 of the surface of a semiconductor base constituting a Hall element 1. This conductor layer 15 is placed, so as to surround a main operation area of the Hall element 1. The Hall element 1 and terminals 3, 4 of first and second current passages are molded with a common resin-sealing substance 18 as a unit. A wire 12 is connected as a current passage for a first resistor R1 between the terminals 3, 4 for the first and second current passages, and also the conductor layer 15 by wires 13, 14 for forming the second current passage.



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